09:46:36 17 AUG 1989 PROJECT FACT SHEET

CONTRACT TITLE: Louisiana MOU - Annex I

DATE REVISED: 08-15-89

OBJECTIVE: Reservoir characterization with studies of selected reservoirs and fields.

CONTRACT NO.: DE-FG07-89ID12842
CONTRACT AMT: 0
B AND R CODE: AC1505100
PADS CNTRL NO:

CONTRACTOR:
Louisiana State University

ADDRESS: 1 East Fraternity Circle
Baton Rouge , LA 70803

CONTRACT PERFORMANCE PERIOD:
02-01-89 TO 01-31-92
PROJECT BEGINNING: 2/89

DOE PROGRAM MANAGER:
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DOE PROJECT MANAGER:
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PROJECT SITE:
Baton Rouge, LA 70803

SCHEDULE MILESTONES:

Grant awarded.	02/89
Complete Pilot Oil Atlas.	07/90

CONTR. FUNDING	FUNDING (1000'S)	DOE	OTHER	CONTRACTOR	TOTAL
	PRIOR FISCAL YRS	0	0	0	0
	FISCAL YR 1989	195	0	0	195
	FUTURE FUNDS	550	0	745	1295
	TOTAL EST'D FUNDS	745	0	745	1490

PROJECT DESCPTN: The project will include three primary activities: 1) development of systematic methods for characterizing reservoir heterogeneities for several types of Louisiana reservoirs, 2) testing the proposed methods using simulators and field tests, and 3) tansferring the technologies to the oil operators through publications and workshops. The project will focus on three reservoirs representative of the fluvial deltaic, shoreline, and marine shelf depositional environments. The effort will be multidisciplinary and will involve coorperative work by the geologists, engineers, and computer scientists of several academic departments and the Louisiana Geological Survey, coordinated through the Basin Research Institute. The project will be conducted over a three-year period, and will be jointly funded by the DOE and the state of Louisiana.

PRESENT STATUS: The project has been initiated and is progressing on schedule.

ACCOMPLISHMENTS: None available.

BACKGROUND: Louisiana holds about 10% of the known domestic oil, and it is estimated that about 30% or 15 billion barrels of oil has been bypassed on a macroscopic scale due to reservoir heterogeneities and irregular water drives. Another 15 billion barrels of oil is estimated to have been bypassed on a microscopic scale in the water swept areas of the reservoirs. The goal of this project is to develop a predictive method for locating pockets of bypassed oil, and estimating the volume of this resource. The secondary objective of this project is to transfer the learned technology to the small independent operators who drill a majority of the onshore wells, but lack access to a research staff. Another objective of the research will be the compilation of selected Louisiana reservoir data into a format that can be used by government and industry to evaluate the resource and plan future activities.